AUTODOC CLUB

How to change rear brake caliper on **Audi A3 8PA** – replacement guide

VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
AUDI A3 Hatchback (8P1) 1.6 E-Power, AUDI A3 Sportback (8PA) 1.6 E-Power, AUDI A3 Convertible (8P7) 1.4 TFSI, AUDI A3 Hatchback (8P1) 2.0 FSI, AUDI A3 Hatchback (8P1) 1.6, AUDI A3 Hatchback (8P1) 2.0 TDI 16V, AUDI A3 Hatchback (8P1) 1.9 TDI, AUDI A3 Hatchback (8P1) 2.0 TDI, AUDI A3 Hatchback (8P1) 1.6 FSI, AUDI A3 Sportback (8PA) 1.6, AUDI A3 Sportback (8PA) 1.9 TDI, AUDI A3 Sportback (8PA) 1.6 FSI, AUDI A3 Sportback (8PA) 2.0 FSI, AUDI A3 Sportback (8PA) 2.0 TDI 16V, AUDI A3 Sportback (8PA) 2.0 TFSI, (+ 16)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE CALIPER – AUDI A3 8PA.
TOOLS YOU NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #11
- Combination spanner #13
- Combination spanner #15
- Drive socket # 11
- Drive socket # 13
- Wheel impact socket #17
- Torque wrench
- Crow bar
- Rubber mallet
- Fluid container
- Brake hose clip
- Water pump pliers
- Brake bleeder kit
- Wheel chock

BUY TOOLS

Replacement: brake caliper – Audi A3 8PA. AUTODOC experts recommend:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE CALIPER – AUDI A3 8PA. TAKE THE FOLLOWING STEPS:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.

3 Loosen the wheel mounting bolts. Use wheel impact socket #17.

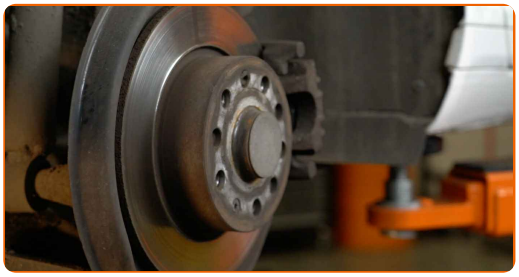
4 Raise the rear of the car and secure on supports.

5 Unscrew the wheel bolts.

Replacement: brake caliper – Audi A3 8PA. AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

6 Remove the wheel.



7 Clean the parking brake bracket. Use a wire brush. Use WD-40 spray.

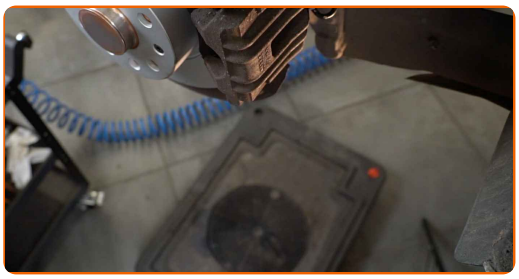
8 Press the parking brake actuator lever on the brake caliper.

9 Release the parking brake cable. Use water pump pliers.

10 Clean the area where the brake hose is connected to the brake caliper and to the brake circuit pipe. Use a wire brush. Use WD-40 spray.

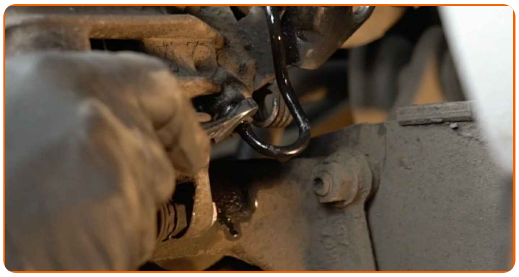
11 Clamp the brake hose off using a brake hose clamp.

12 Put a container for gathering brake fluid beneath.



13 Unscrew the brake pipe from the brake hose. Use a combination spanner #11.

14 Loosen the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #11.

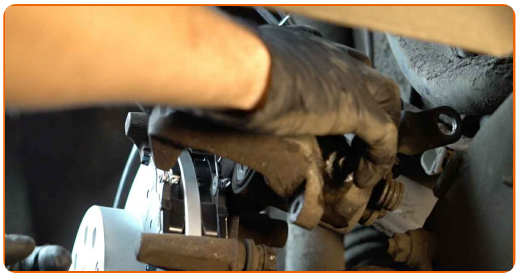


15 Remove the brake hose retaining clip. Use a crowbar.

16 Detach the brake pipe from the brake hose.

17 Unscrew the brake caliper fastening. Use a combination spanner #13. Use a combination spanner #15.

18 Remove the brake caliper.



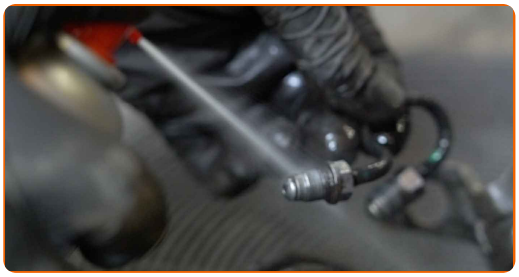
Replacement: brake caliper – Audi A3 8PA. Professionals recommend:

- When replacing the brake caliper, it is recommended to check the brake hose for damages and, if necessary, to replace it with a new one.
- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.
- If no new guide pins were supplied in a kit with the new brake calipers, use the old pins.

19 Unscrew the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #11.

20 Detach the brake pipe from the brake caliper.

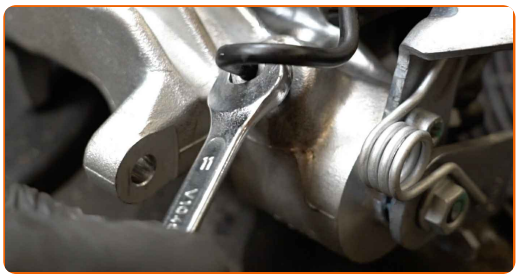
21 Treat the brake pipe. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake caliper – Audi A3 8PA. After applying the spray, wait a few minutes.

22 Reattach the brake pipe to the brake caliper.



23 Screw in the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #11.

24 Install the brake caliper and fix it. Use a combination spanner #13. Use a combination spanner #15.

25 Treat the brake hose. Treat the brake pipe. Use a brake cleaner.

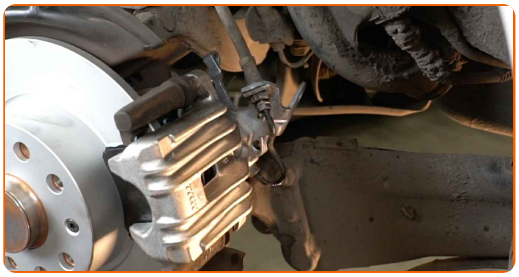
Replacement: brake caliper – Audi A3 8PA. Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

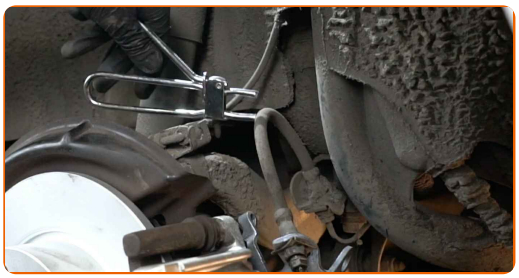
26 Reattach the brake pipe to the brake hose.

27 Screw in the fastener connecting the brake pipe to the brake hose. Use a combination spanner #11.

28 Install the brake hose retaining clip. Use a rubber mallet.

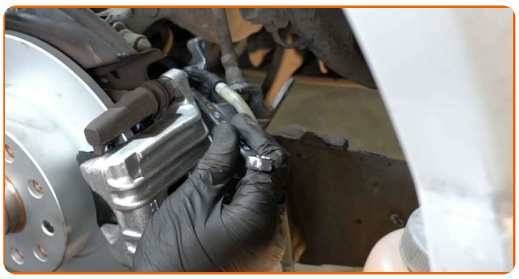


29 Remove the brake hose clamp.



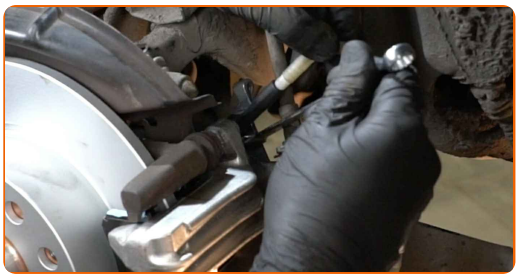
30 Connect the brake bleeder kit to the brake bleeder screw.

31 Undo the brake bleeder screw. Use a combination spanner #11.



32 Bleed the brake caliper system. Without starting the engine, press the brake pedal several times until you feel significant resistance.

33 Tighten the brake bleeder screw. Use a combination spanner #11.



34 Disconnect the brake bleeder kit.

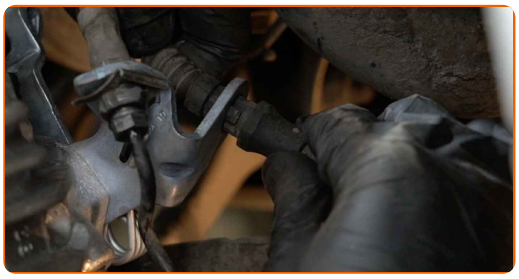
35 Clean dirt from the brake hose bolt. Use a brake cleaner.

AUTODOC recommends:

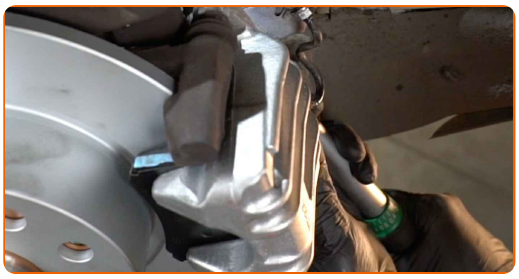
- Replacement: brake caliper – Audi A3 8PA. After applying the spray, wait a few minutes.

36 Tighten the brake caliper bleed screw. Use a drive socket #11. Use a torque wrench. Tighten it to 9 Nm torque.

37 Install the parking brake cable into the brake caliper bracket. Use water pump pliers.



38 Tighten the brake caliper fasteners. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



39 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

40 Clean the brake disk surface. Use a brake cleaner.

Replacement: brake caliper – Audi A3 8PA. Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

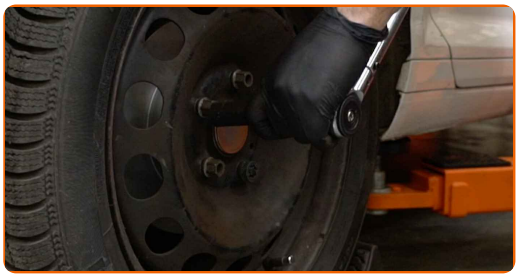
41 Install the wheel.

Replacement: brake caliper – Audi A3 8PA. Tip from AUTODOC:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

42 Screw in the wheel bolts. Use wheel impact socket #17.

43 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



44 Remove the jacks and chocks.

AUTODOC recommends:

- Important! Replacement: brake caliper – Audi A3 8PA. Check the brake fluid level in the reservoir and top up if necessary.

45 Tighten the brake fluid reservoir cap. Close the hood.

WELL DONE!

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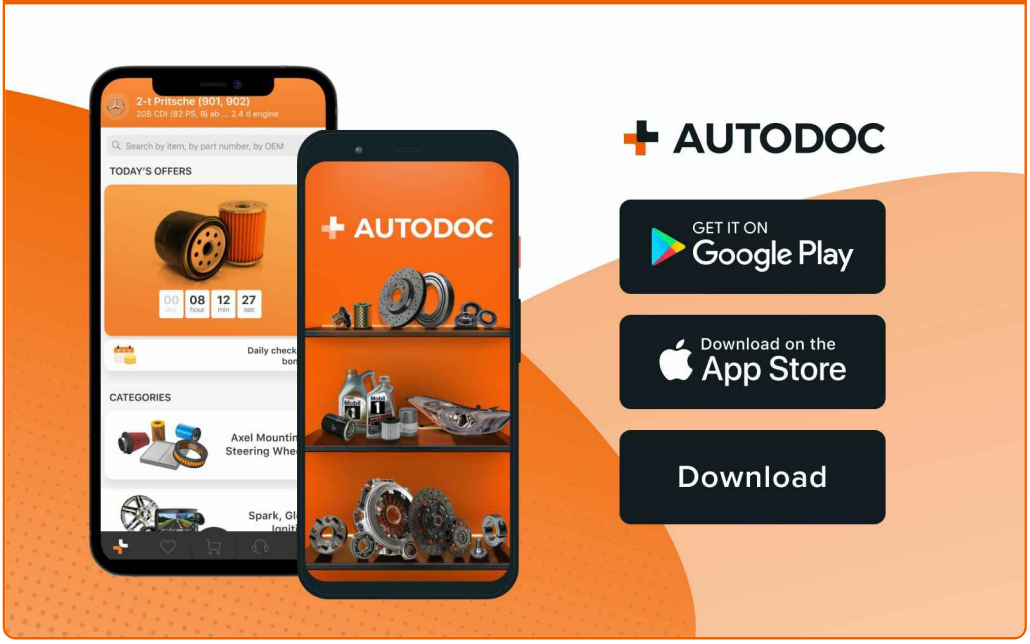

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